

Miller, Anna

From: Miller, Anna
Sent: Thursday, September 03, 2015 9:30 AM
To: 'Duncan Hamilton'
Subject: Energex Application for Lanphar 1-12, (EPA UIC draft # MI-125-2R-0003)

Good morning, Duncan:

I am working through the UIC Class II application for Lanphar 1-12 (EPA UIC draft # MI-125-2R-0003), and I have a couple of quick questions.

1. What will be the state of the proposed injected gas? Meaning, will it be in gaseous form or some other supercritical or liquefied state?
2. What fracture gradient is used in the application for injection pressure calculation? Our default for Michigan is 0.80 psi/ft, but we also accept other figures if supported by a step-rate test.

You may answer via email. I may have a few more questions coming up, and will ask as needed or follow-up by letter.

Best regards,
Anna

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Miller, Anna

From: Duncan Hamilton <hamiltongeologicalservices@gmail.com>
Sent: Thursday, September 03, 2015 10:08 AM
To: Miller, Anna
Subject: RE: Energex Application for Lanphar 1-12, (EPA UIC draft # MI-125-2R-0003)

Hi Anna:

Good to hear from you. I hope you have had a great summer. To answer your two questions below, the gas would be injected in gaseous form and yes we used the default for Michigan 0.80 psi/ft for the fracture gradient. Please do not hesitate in contacting me for any additional information.

Best Regards,

Duncan Hamilton, M.Sc., P.Geo
Chief Operating Officer

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From: Miller, Anna [mailto:miller.anna@epa.gov]
Sent: September-03-15 10:30 AM
To: Duncan Hamilton
Subject: Energex Application for Lanphar 1-12, (EPA UIC draft # MI-125-2R-0003)

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